

California Weather-Hydro Conditions during August 2013

As of August 31, statewide hydrologic conditions were as follows: precipitation, 80 percent of average to date; runoff, 60 percent of average to date; and reservoir storage, 80 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2013, observed through August 31, 2013 was about 11.6 million acre-feet (MAF), which is about 65 percent of average. For comparison during Water Year 2012, the observed Sacramento River Region unimpaired runoff through August 31, 2012 was about 11.5 MAF, or about 64 percent of average.

On August 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 44.3 inches, which is about 90 percent of the seasonal average to date and 89 percent of an average water year (50.0 inches). During August, the total precipitation for the 8-Stations was 0.0 inches. Last year on August 31, the seasonal total for the 8-Stations was 41.6 inches, or about 85 percent of average for the date. The combined total January through May precipitation, in Water Year 2013, is the driest in about 90 years of record.

On August 31, the San Joaquin 5-Station Precipitation Index Water Year total was 26.2 inches, which is about 66 percent of the seasonal average to date and 64 percent of an average water year (40.8 inches). During August, the total precipitation for the 5-Stations was 0.0 inches. Last year on August 31, the seasonal total for the 5-Stations was 24.9 inches, or about 62 percent of average for the date. The combined total January through May precipitation, in Water Year 2013, is the driest in about 90 years of record.

Selected Cities Precipitation Accumulation as of 08/31/2013 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2013 – 2013 (in inches)	% Avg	Jul 1 to Date 2012 – 2012 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2013- 2014
Eureka	0.08	16	0.74	151	0
Redding	0.00	0	0.00	0	0
Sacramento	0.00	0	0.03	60	0
San Francisco	0.04	67	0.02	33	0
Fresno	0.00	0	0.00	0	0
Bakersfield	0.00	0	0.02	50	0
Los Angeles	0.03	38	0.00	0	0
San Diego	0.05	100	0.00	0	0

Key Reservoir Storage (1,000 AF) as of 08/31/2013								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,407	1,839	77	2,448	57	---	1,041
Shasta Lake	Sacramento	2,101	2,966	71	4,552	46	-2,451	2,451
Lake Oroville	Feather	1,783	2,377	75	3,538	50	-1,755	1,755
New Bullards Bar Res	Yuba	577	653	88	966	60	-389	389
Folsom Lake	American	429	621	69	977	44	-548	548
New Melones Res	Stanislaus	1,087	1,374	79	2,420	45	-1,333	1,333
Don Pedro Res	Tuolumne	1,135	1,427	80	2,030	56	-895	895
Lake McClure	Merced	364	584	62	1,025	36	-660	661
Millerton Lake	San Joaquin	304	230	132	520	59	-216	216
Pine Flat Res	Kings	153	387	39	1,000	15	-847	847
Isabella	Kern	62	212	29	568	11	-299	506
San Luis Res	(Offstream)	465	890	52	2,039	23	---	1,574

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for September 2013, issued August 31, 2013, suggests no tendency for above or below average rainfall for California, except for the extreme southeastern portion of the State where slightly above average precipitation is expected.